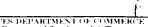


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APPLICATION NO	11	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO
09 686,624	1	0.12.2000	Jung-Ho Lee	10.253,006	6123
27849	590	04 30 2002			
THE LAW	OFFICES	S OF EUGENE M	EXAMINER		
1101 WILSON BOULEVARD SUITE 2000				STEIN, STEPHEN J	
ARLINGTO	N, VA 2.	2209		ARTUNIT	6123 HINER FEPHEN J PAPER NUMBER Ö
				1775	ý
				DATE MAILED: 04-30-2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. **09/686,624**

Applicant(s)

Office Action Summary

Lee et al.

Examiner

Stephen Stein Art Unit 1775



The MAILING DATE of th	is communication appears (on the cover sheet with the correspondence address	
Period for Reply			
A SHORTENED STATUTORY PER THE MAILING DATE OF THIS CO	RIOD FOR REPLY IS SET TOMMUNICATION.	TO EXPIRE1 MONTH(S) FROM	
after SIX (6) MONTHS from the many after SIX (6) MONTHS from the many after specified above.	nailing date of this communica	FR 1.136 (a). In no event, however, may a reply be timely filed ation. In a reply within the statutory minimum of thirty (30) days will	
communication. - Failure to reply within the set or external control of the communication. - Any reply received by the Office late	ended period for reply will, by er than three months after the	period will apply and will expire SIX (6) MONTHS from the mailing date of a statute, cause the application to become ABANDONED (35 U.S.C. § 13.5) a mailing date of this communication, even if timely filed, may reduce any	3).
earned patent term adjustment. S Status	See 37 CFR 1.704(b).		
	tion(s) filed on		
2a) This action is FINAL .			
3) Since this application is in closed in accordance with	condition for allowance enthe practice under Ex par	except for formal matters, prosecution as to the merits is irte Quayle, 1935 C.D. 11; 453 O.G. 213.	
Disposition of Claims			
4) 🗶 Claim(s) <u>1-37</u>		is/are pending in the application.	
4a) Of the above, claim(s) _		is/are withdrawn from consideratio	ın.
5) Claim(s)		is/are allowed.	
6)		is/are rejected.	
7) Claim(s)		is/are objected to.	
8) X Claims <u>1-37</u>		are subject to restriction and/or election requiremen	nt.
Application Papers			
9) The specification is objected	ed to by the Examiner.		
10) The drawing(s) filed on	is/are	objected to by the Examiner.	
		is: a) approved b) disapproved.	
12) The oath or declaration is	objected to by the Examir	iner.	
Priority under 35 U.S.C. § 119			
13) \overline{X} Acknowledgement is made	e of a claim for foreign pri	riority under 35 U.S.C. § 119(a)-(d).	
a) All b) Some* c) X	None of:		
1. X Certified copies of th	e priority documents have	re been received.	
2. Certified copies of th	e priority documents have	re been received in Application No	
application fro	om the International Burea		
		e certified copies not received. priority under 35 U.S.C. § 119(e).	
		priority and 30 0.0.0. 3 110(c).	
Attachment(s) 15) Notice of References Cited (PTO-892)		19)	
Notice of Draftsperson's Patent Drawing F		181 Interview Summary (PTO-413) Paper No(s). 191 Notice of Informal Patent Application (PTO-152).	
Information Disclosure Statement(s) (PTO-		19! Notice of Informal Patent Application (PTO-152) 20: Other	

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DETAILED ACTION

Election/Restriction

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-9, drawn to a spin-on-glass composition, classified in class 106, subclass 481.
 - II. Claims 10-28, drawn to method of forming a silicon oxide layer, classified in class 438, subclass 778.
 - III. Claims 29-37, drawn to a semiconductor device, classified in class 428, subclass 447.

The inventions are distinct, each from the other because of the following reasons:

Inventions II and III are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by curing the glass composition on a transfer substrate, removing the self sustaining SOG layer, and applying it to the semiconductor substrate.

2. Inventions I and II are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP

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§ 806.05(h)). In the instant case the SOG glass composition can be used to make an optical mask.

- 3. Inventions I and III and are related as mutually exclusive species in an intermediate-final product relationship. Distinctness is proven for claims in this relationship if the intermediate product is useful to make other than the final product (MPEP § 806.04(b), 3rd paragraph), and the species are patentably distinct (MPEP § 806.04(h)). In the instant case, the intermediate product is deemed to be useful as composition for an optical mask and the inventions are deemed patentably distinct since there is nothing on this record to show them to be obvious variants. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions anticipated by the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.
- 4. A telephone call was made to the law firm of Eugene M. Lee to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently

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named inventors is no longer an inventor of at least one claim remaining in the application. Any

amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the

fee required under 37 CFR 1.17(I).

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Stephen Stein whose telephone number is (703) 305-0583. The examiner

can normally be reached on Monday through Friday from 8:30 a.m. to 5:00 p.m. If the attempts

to reach the examiner are unsuccessful, the examiner's supervisor, Deborah Jones be reached by

dialing (703) 308-3822.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the Group Receptionist whose phone number is (703) 308-0661. The fax

phone number for this group is (703) 872-9310 for non-final responses and (703) 872-9311 for

after final responses.

April 26, 2002

IDEDUCADY PATENT EXAMINER